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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/758,489 | 01/10/2001 | Youngtack Shim | 10474/008-US-U | 9332 |

7590 05/06/2004

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| EXAMINER |
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SONG, HOSUK

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| ART UNIT | PAPER NUMBER |
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2135

DATE MAILED: 05/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/758,489

Applicant(s)

SHIM, YOUNGTACK

Examiner

Hosuk Song

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 January 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 January 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-11,15-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Mooney(US 5,610,981).

Claim 1: Mooney discloses an access control system capable of detecting unauthorized attempt to access the information and generating a protection command signal responsive to attempt in (col.8,lines 38-45 and col.9,lines 14-17). Mooney discloses a guard system capable of degrading at least a portion of information responsive to protection command signal in (col.16,lines 24-34).

Claim 2: Mooney discloses at least one information processing system for processing the information in (fig.1B). Mooney discloses an access control system capable of detecting unauthorized attempt to access the information and generating a protection command signal responsive to the attempt in (col.8,lines 38-45 and col.9,lines 14-17). Mooney discloses a guard system capable of degrading at least a portion of information responsive to the protection command signal in (col.16,lines 24-34).

Claim 3: Mooney discloses information processing system comprising at least one information storage unit comprising at least one of an information read-only unit;an information write-only unit; and an information read/write unit in (col.8,lines 41-47).

Claim 4: Mooney discloses information storage unit as a plurality of magnetic bands formed on a surface of information storage unit in (fig.3;col.10,lines 52-57).

Claim 5: Mooney discloses information stored in the information storage unit comprises at least one of a digitized program; a digitized datum; a digitized sound; and a digitized image in (col.16,lines 29-34).

Claim 6: Mooney discloses a hard disk and a hard disk driver in (fig.3).

Claim 7: Mooney discloses an input receiving a log-in input in (col.2,lines 39-52).

Mooney discloses a logic unit for determining validity of log-in input, logic unit providing access to the computer when the log-in input is valid in (col.2,lines 39-47). Mooney discloses protection signal to guard system when log-in input is invalid in (col.9,lines 14-17).

Claim 8: Mooney discloses a signal receiving unit for receiving a command signal from access control system wherein command signal comprises protection command signal in (fig.3 and col.8,lines 41-47). Mooney discloses an eraser unit for degrading at least a portion of information stored in information storage unit in (col.16,lines 29-36).

Claims 9,10: Mooney discloses eraser unit is disposed adjacent information storage unit and comprises at least one chamber having therein at least one chemical substance capable of altering magnetic property of information storage unit, eraser unit configured to deliver chemical substance from the chamber to information storage unit responsive to protection command signal in (col.5,lines 29-41).

Claim 11: Mooney discloses eraser unit is disposed adjacent information storage unit and comprises at least one mechanical member capable of mechanically deforming information storage unit upon contact therewith in (col.5,lines 29-37 and col.8,lines 52-58).

Claim 15: Mooney discloses detecting unauthorized attempt to access information and degrading at least a portion of information upon detecting unauthorized attempt in (col.8,lines 38-45 and col.9,lines 14-17; col.16,lines 24-34).

Claim 16: Mooney discloses receiving a log-in input and determining validity of log-in input in (col.2,lines 39-52; col.2,lines 39-47).

Claim 17: Mooney discloses sensing a disassembly capable of exposing an interior of computer and determining validity of disassembly in (col.5,lines 29-41).

Claim 18: Mooney discloses contacting at least a portion of computer with at least one chemical substance, portion storing information and altering chemical of portion of computer in (col.5,lines 29-41;col.8,lines 52-58).

Claim 19: Mooney discloses contacting at least a portion of computer with at least one chemical substance, portion storing information and altering mechanical property of portion of computer in (col.5,lines 29-41;col.8,lines 52-58).

Claim 20: Mooney discloses contacting at least a portion of computer with at least one chemical substance, portion storing information and altering magnetic property of portion of computer in (col.5,lines 29-41;col.6,lines 45-49;fig.3).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mooney et al.(US 5,610,981) in view of Hsu(US 4,325,089).

Claim 12-14: Mooney does not specifically discloses generating magnetic fields around at least a portion of information storage unit with respect to the other of erasure unit and information storage unit. Hsu's patent discloses generating magnetic fields around at least a

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portion of information storage unit with respect to the other of erasure unit and information storage unit in (col.1,lines 54-68;col.2,lines 1-7). It would have been obvious to person of ordinary skill in the art at the time invention was made to generate magnetic fields around at least a portion of information storage unit with respect to the other of erasure unit and information storage unit as taught in Hsu with access control system disclosed in Mooney so that electromagnetic is disposed within the compartment when activated by providing it with an electrical current, magnetic field will erase/corrupt the data stored in the data storage thereby unauthorized attempt to hack the data is prevented.

Claim Objections

3. Claim 14 is objected to because of the following informalities: Claim recites "The computer according to claim C15....". C15 appears to be a typo. For purpose of examination, the examiner will assume C15=claim 8. Appropriate correction is required.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Motoyama et al.(US 6,304,948).

b. Glenn(US 5,406,261).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hosuk Song whose telephone number is 703-305-0042. The examiner can normally be reached on Tue-Fri 6:00 am to 4:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 703-305-4393. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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